

ABSTRACT

A nucleic acid contained in a sample is quantified with high accuracy. The procedure includes the step of allowing the sample containing a specific nucleic acid to interact with a DNA microarray provided with a plurality of nucleic acid probe parts having a nucleic acid probe capable of hybridizing to the specific nucleic acid; the step of monitoring outputs from each of the plurality of nucleic acid probe parts due to hybridization between the nucleic acid probe and the specific nucleic acid to determine normal distribution of time taken to reach a predetermined output value with respect to each of the plurality of nucleic acid probe parts; and the step of quantifying the specific nucleic acid contained in the sample based on a maximum value determined from the normal distribution obtained in the above step.